KEMPA, Edward, dr inz.

Studies on the possibilities of dehydrating and gasifying raw sewage sediments. Gaz woda techn sanit 37 no.12:415-419 D 163.

1. Department of Technology of Water and Sewage, Technical University, Wroclaw.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721520003-1"

WEMPA, Edward Use of Tabrice of artificial fibers in sewage sediment draining processes. Gaz voda techn sanit 38 no.4:124-128 Ap '64 1. Department of Water and Sewage Technology, Technical University, Wroclay.

KEMPA, Edward Studies on the combustion properties of raw sewage sludge from cities. Chemia stosow A 8 no.3:345-359 164.

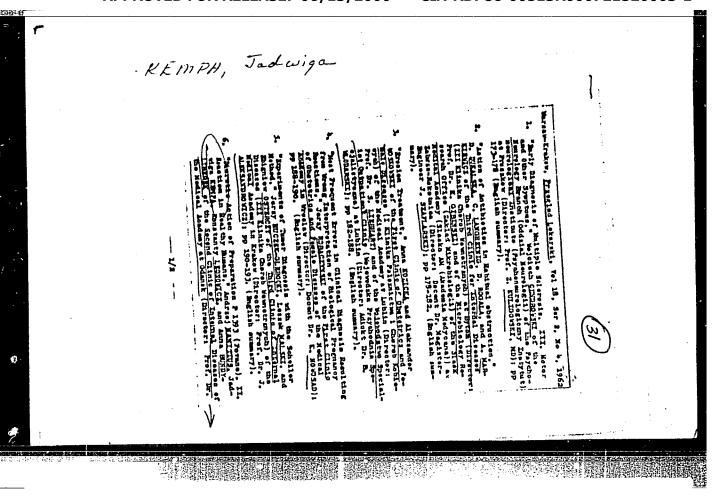
1. Department of Technology of Water and Sewages of the Wroclaw Technical University.

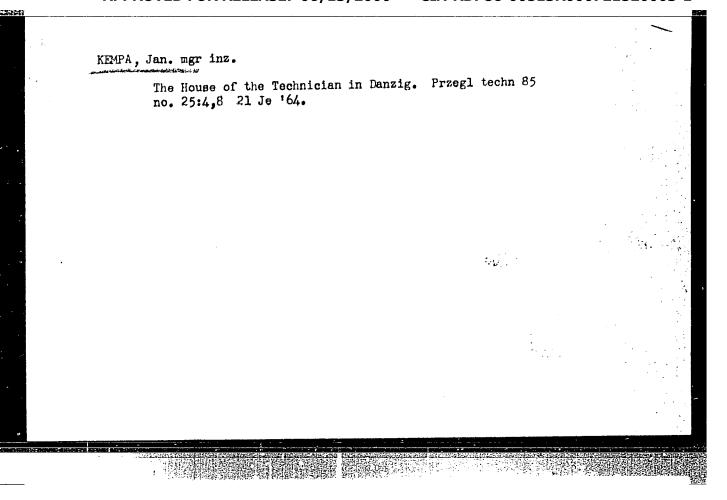
LEONOWICZ, Konstanty; KEMPA, Jadwiga

Effect of heparin and decholine on Congo red binding by serum proteins during nutritional lipemia. Polski tygod. lek. 15 no.21:777-778 23 May 160.

1. Z II Kliniki Chorob Wewnetrznych A.M. w Gdansku, kierownik:
prof. dr Jakub Penson
(BILE ACIDS AND SALTS pharmacol)
(HEPARIN pharmacol)
(BLOOD PROTEINS)
(AZO COMPOUNDS Blood)
(LIPIDS blood)

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BIMERI, Tadeusz, dr. med.; KEMPARA, Januar

A case of congenital deformity of the corpal bones associated with hypoplasia of the thenar muscles. Chir. narzad. ruchu ortop. Pol. 30 no.1173-77 165

1. Z Oddzialu Ortopedyczno-Urazowego Szpitala Miejskiego im. dr. A. Mieleckiego w Chorzowie (Ordynator: dr. med. T. Bielski).

ACCESSION NR: AT4040783

8/2657/64/000/011/0203/0213

AUTHOR: Kempe, F., Popov, I. A.

TITLE: Frequency stability of an autogenerator using a tunnel diode in the face of feed voltage fluctuations

SOURCE: Poluprovodnikovy*ye pribory* i ikh primeneniye; sbornik statey, no. 11, 1964, 203-213

TOPIC TAGS: autogenerator, autogenerator stability, germanium diode, frequency stability, tunnel diode, semiconductor device, harmonic generator

ABSTRACT: The purpose of the present paper was to determine the effect of a variation in feed voltage on the frequency stability of harmonic autogenerators using a tunnel diode. The dependence of auto-oscillation frequency stability on feed voltage for a single simple autogenerator arrangement with an external parallel LC oscillatory circuit is analyzed. The circuit elements Cb, Lchoke and Rnoise are designed to block and suppress spurious oscillations (see Figure 1, a in the Enclosure). The analysis is made on the basis of the circuit shown in Figure 1,b, with allowance for the non-linearity of the volt-ampere characteristics and the natural capacitance of the junction Co, but without consideration of

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ACCESSION NR: AT4040783

the lead inductance $L_{\rm B}$ or the series loss resistance of the diode $r_{\rm B}$. The authors maintain that the effect of the last two factors is of no consequence only on frequencies for which the following inequality is satisfied:

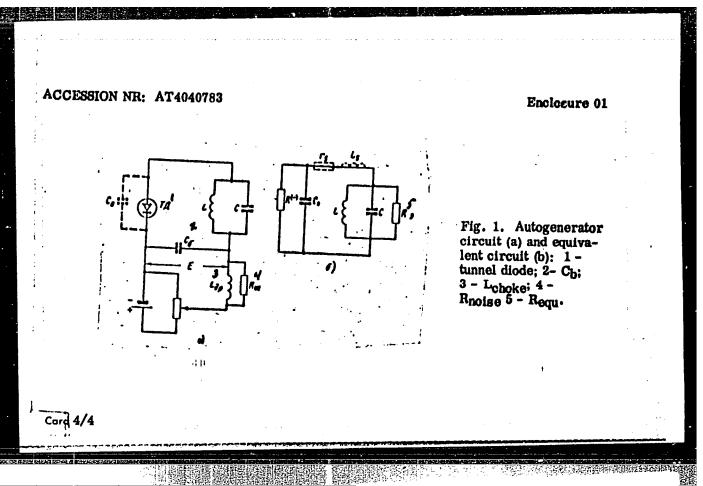
$$|r_{\bullet}+|2\pi|L_{\bullet}|\ll R_{\bullet}.$$
 (1)

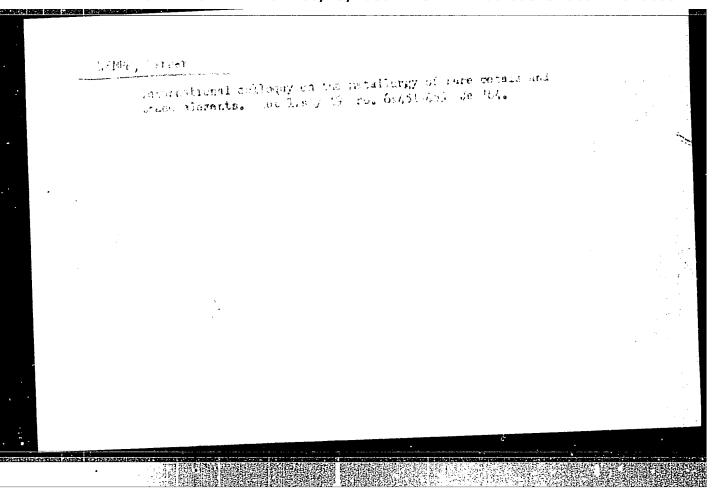
(R) is the equivalent resistance of the circuit). For modern tunnel diodes, this inequality is valid for frequencies of less than 100 Mc. Thus, the analysis presented in the article is valid for comparatively low radio frequencies. The effect of junction capacitance and upper harmonics is studied, and experimental investigations are described, the purpose of which was to check the order of frequency stability as a function of feed voltage variation and the dependence of stability on the position of the reference point on the characteristic curve and on the regeneration margin. The authors show that below a certain frequency f', provided the mode and circuitry have been correctly selected, frequency stability is determined by the upper harmonics. At higher frequencies, frequency stability is impaired because of the capacitance of the junction. The effect of the upper harmonics does not depend on frequency and for realistic circuit Q's and proper modes and circuit arrangements for germanium diodes it gives a frequency stability on the order of (3 - 5) · 10⁻⁶ for a 10% supply-voltage drift. Other conclusions, together with formulas to express them, are given in the text of the article. Orig. art. has 5 figures, 8 formulas and 1 appendix.

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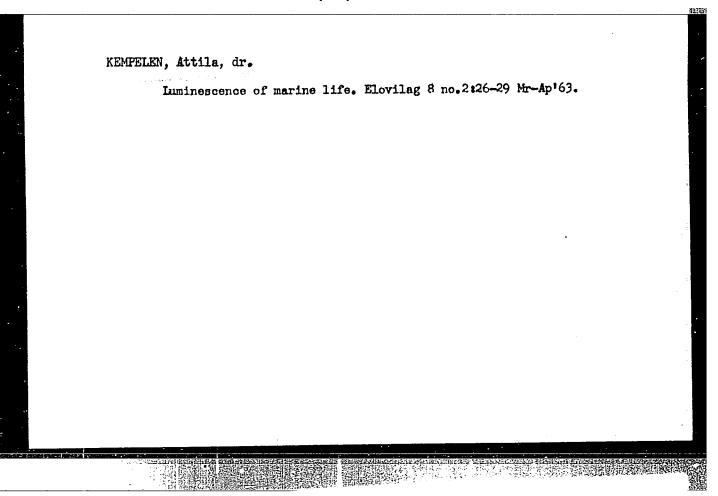
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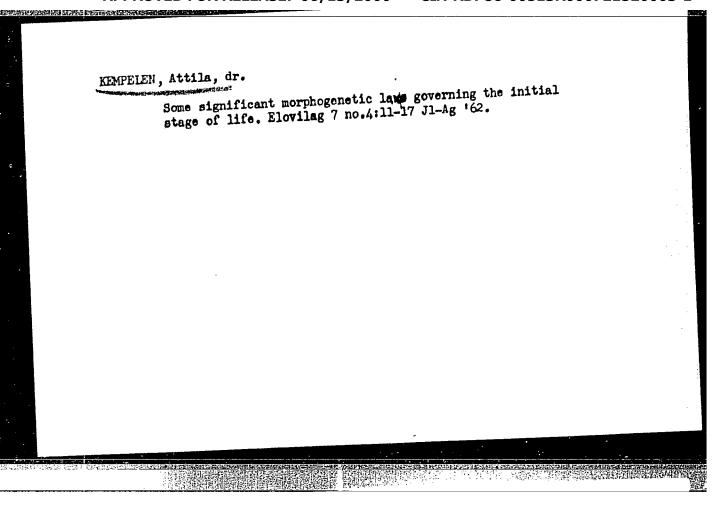
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Never investigations on human genital chromosomes. Term tud kozl 5 no.61285 Je '61.





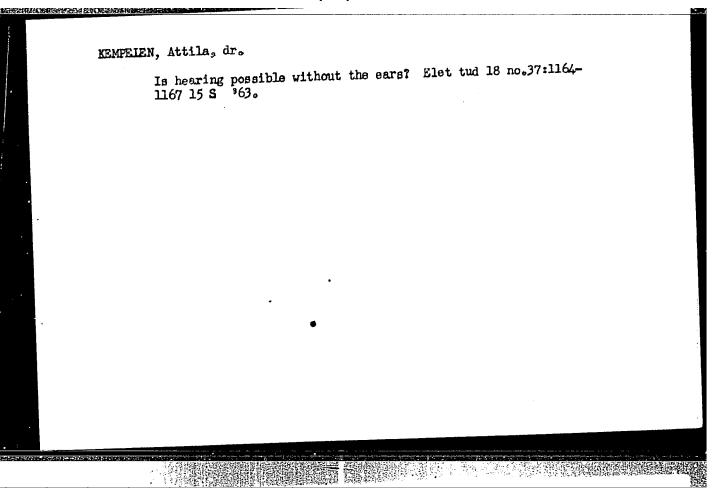
"APPROVED FOR RELEASE: 06/13/2000 CIA

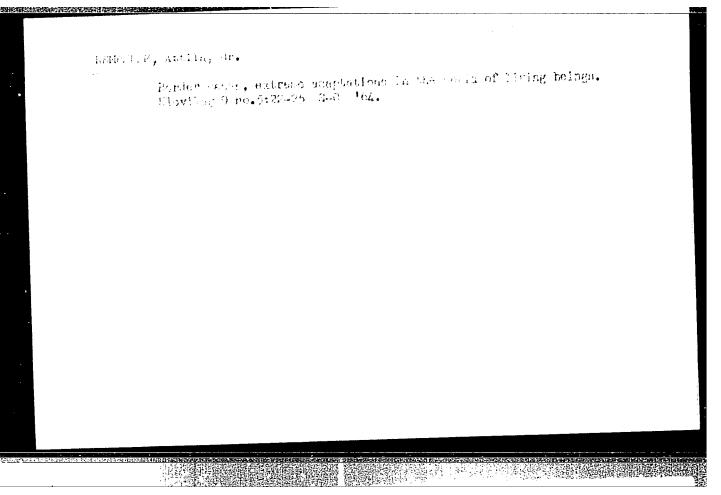
CIA-RDP86-00513R000721520003-1

KEMPELEN, Attila, dr.

Specific evolution of living organisms and structural analysis of inorganic substances. Elovilag 6 no.1:11-17 Ja-F 161.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721520003-1"





KEMPELEN, Attila, dr.

Some results of present-day anthropological research. Elovilag 9 nc.6:3-9 1-0 164.

KEMBELTN, M.

APPROXED/FOR RELEASE: 06/13/2000rmodGIA: RDP86-00513R000721520003-1" chemistry, Equilibria, Physical-Chemical Analysis, Phase Transitions.

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 60116.

Author : Sandor Lengyel, Marta Kampelen.
Inst : Academy of Sciences of Hungary.

Title : Theoretical Determination of Hydration Heat.

Orig Pub: Magyar tud. akad. Alkalm. mat. int. kozl., 1953, 2, 489-498.

Abstract: Admitting the dielectric saturation, the authors compute the hydration work of alkali metal halides. Rejecting the computation of Webb (Webb T. J., J. Amer. Chem. Soc., 1926, 48, 2589), the authors take into consideration the data of Kirkwood and Booth (Kirkwood J. G., J. Chem. Phys., 1939, 7, 911; Booth F., J. Chem. Phys., 1951, 19, 391) concerning the dielectric behaviour of water.

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CIA-RDP86-00513R000721520003-1

Journal of Applied Chemistry

April 1954

Industrial Inorganic Chemistry

April 1964

Industrial Inorganic Chemistry

Industrial Inorganic Industrial Industrial

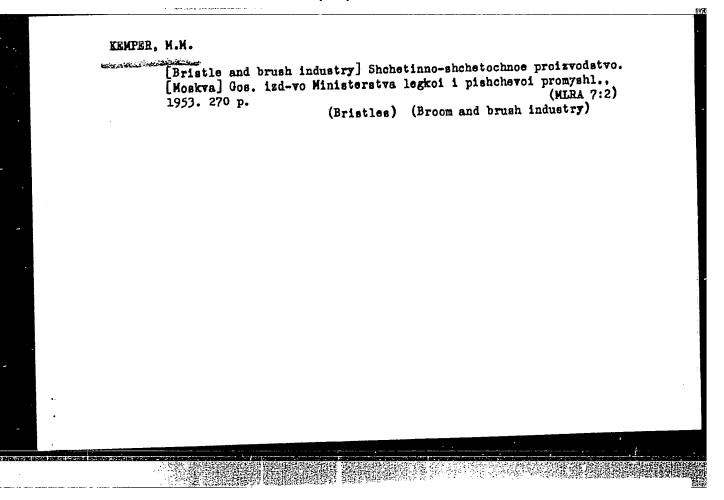
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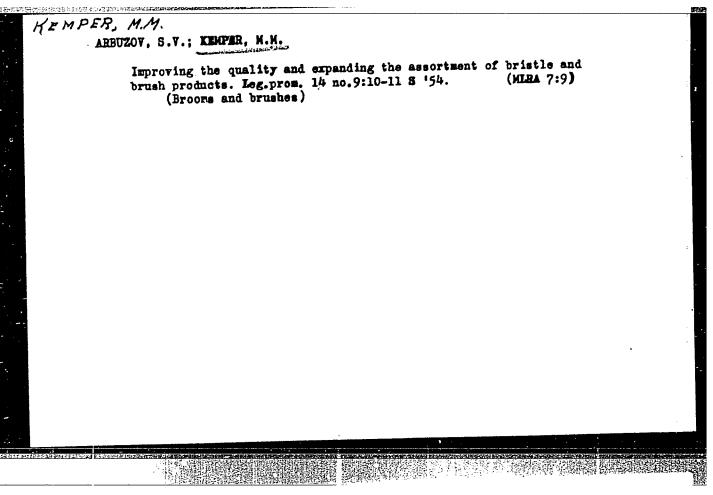
38117. KEMPER, M. M. Bol'she vnimaniya rzavitiyu shchetino-shchetochnoy promyshlennosti. Legkaya prom-st', 1949, no 11, s. 31

KENTER, M. M.
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Records and Remains, Lag. prom., No. 1, 1954.

Records and Remains Associate, Prom., No. 1, 1954.

- Monthly List of Runsian Associate, Library of Congress, March 1952. Unclassified.



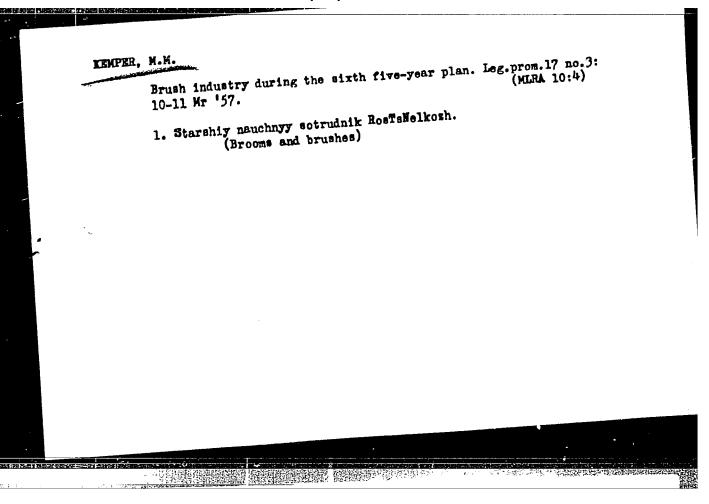


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CIA-RDP86-00513R000721520003-1

Three should be a levering of costs for products of the bristle-brush industry. Leg. press. 16 no.1:13-14 Ja '56. (MLRA 9:6)

(Breen and brush industry)



KEMPER, M.C.

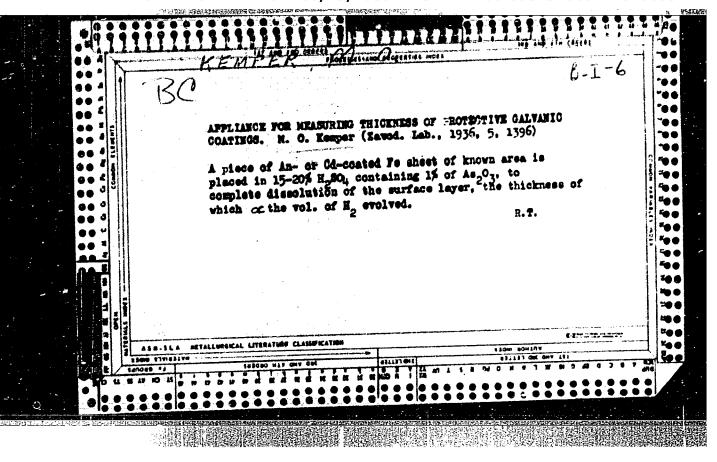
ATAVINA, G. V., M. O. KEMPER, and D. I. LINETSKII.

Anodnaia poliarizatsiia v samoletostroenii; pod red. V. O. Krenig. Moskva, Glad. red. aviats. lit-ry, 1938. 47 p., illus.

Title tr.: Anode polarization in aircraft construction.

TL698. A78

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.



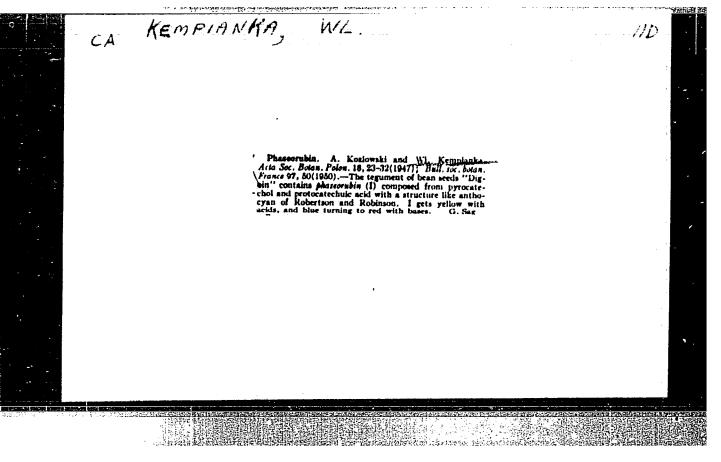
KEMPI, A.A.

Effectiveness of the OP-10 dust-wetting agent during the drilling of holes. Zap. 161 38 no.1:118-122 1959 (MIRA 14:3) (Boring) (Dust-Prevention)

KEMPI, A.A.

Wet method of dust prevention at below-freezing temperatures. Zap. LGI 46 no.1:47-51 162. (MIRA 16:6)

(Mine ventilation Gold weather conditions)
(Mine dists Prevention)



ESSIM, I.

Interference appearances in Fresnel's mirrors which have been moved apart. In German.

p. 53 (Glasnik Matematicko-Fizicki I Astronomski. Feriodicum Asthoratico-Physicum Et Astronomicum. Vol. 11, no. 1, 1956. Zagreb, Yugoslavie)

Monthly Index of East European Accessions (EEAI) 10. Vol. 7, no. 2, February 1958

Winternational Conference on Scientific and Applied Photography in London." Fotokemijska. Kemija U Industriji, Zagreb, Vol 3, No 5, May 1954, p. F22

SO: Erstern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

•	. Priroda 50 no.8:124 Ag '61.	(MIRA 14:7)
1. Kaunasskiy gosuda (CATS)	rstvennyy meditsinskiy institut.) (VALERIAN)	

KEMPINSKAS, V., asist.; GURAUSKAS, V.

Toxic effects of methylthiouracil. Sveik. apsaug. no.5:32-33 162.

1. Kauno Valstybinis medicinos institutas. 2. Vilkaviskio rajono ligonine.

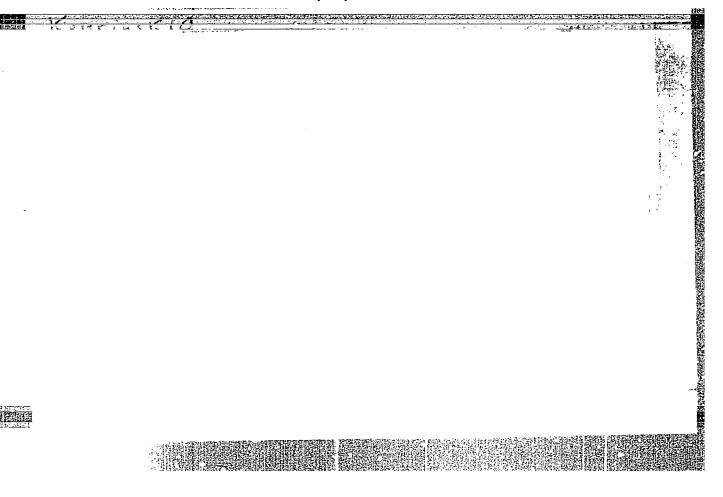
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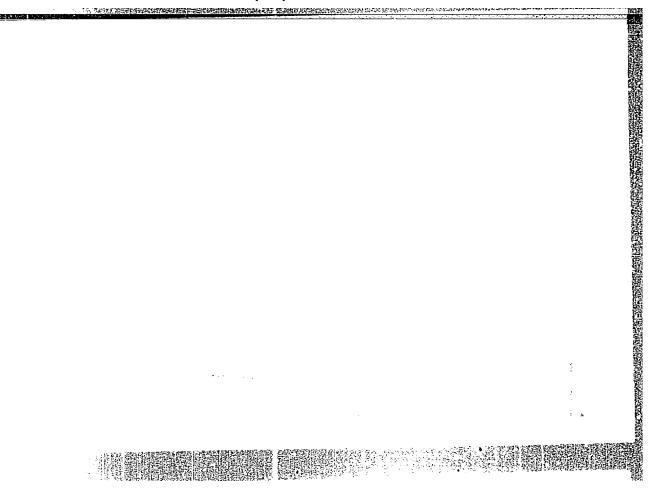
Action of valerian. Farm. 1 toks. 27 no.3:305-309 My-Je '64. (MIRA 18:4) 1. Kafedra farmakologii (zav. - dotsent A.Mitskis) Kaunasskogo meditsinskogo instituta.

ADZHIMAMUDYAN, N.I.; KEMPINSKAYA, A.V.; UZDIN, M.M.; SHILOV, R.M.; ZAYTSEV, V.I., retsenzent; LUTOVINOV, G.V., retsenzent; PISAREVA, Ye.I., red.

[Fundamentals of construction planning of depots and plants for railroad transportation and of the planning of their territories] Osnovy stroitel'nogo proektirovaniia depo i zavodov zheleznodorozhnogo transporta. [By] N.I.Adzhimamudian i dr. Leningrad, Leningr. in-t inzhenerov zhel-dor. transporta im. V.N.Obraztsova, 1963. 79 p. (MIRA 17:7)

1. Rukovoditel' gruppy Leningradskogo Gosudarstvenrogo instituta proyektirovaniya na transporte (for Zaytsev). 2. Leningradskiy Gosudarstvennyy institut proyektirovaniya na transporte (for Pisareva)





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POTAND/Analytical Chemistry - Analysis of Inorganic Substances.

E-2

Abs Jour

: Ref Zhur - Khimiya, No 8, 1958, 24765

Author

Zagorski Zbigniew, Kempinski Olgierd

Inst

Title

Polarographic Determination of Traces of Thallium in Metallic Cadmium and Lead and Also in Iron-Cadmium Bodies.

Chem. analit., 1956, 1, No 4, 273-284

Abstract

Orig Pub

Description of a method of determining Tl in "andmium sponge" (Cd, Fe and their oxides) (CS) of alkaline storage batteries, and also in metallic Cd and Pb. Concentration of Tl by precipitation of the thio-urea-perchlorate complex of Tl (RZhKhim, 1953, 9121; 1955, 40326) does not yield satisfactory results since Cd is almost completely precipitated together with the Tl. Good results were obtained on using the extraction method. 3 g CS are dissolved in 30 ml 7 N HNO3, the insoluble residue filtered off, the filtrate is evaporated to 10 ml, transferred to the

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: Ref Zhur - Khimiya, No 8, 1958, 24765 Abs Jour

> extraction apparatus, 5 ml of bromine water are added and extraction with ether is conducted for 5 hours. The extract is evaporated, 2 ml of HNO3 and H2SO4 are added, and the mixture is evaporated to dryness. The residue is dissolved in 5 ml of the background solution (300 ml 25% NH OH +214 g NH, C1 + 300 ml warer saturated with S02 + 2.2 liters of water) and subjected to polarography. Under the described conditions of extraction Tl is separated from Fe, Cd, Cu and Pb. Analogously Tl is determined in metallic Pb and Cd. Relative error of determination of Tl in CS (10-3% T1) is $\frac{1}{2}$ 8%, while in metallic Pb and Cd containing 10-2% T1, it is of 10-2% $\left[\begin{array}{c} 7\\ \end{array}\right]$ $\left[\begin{array}{c} 2\\ \end{array}\right]$ $\left[\begin{array}{c} 2\\ \end{array}\right]$ 3%.

Card 2/2

KEMFINSKI, O.; ZAGOSKI, Z.

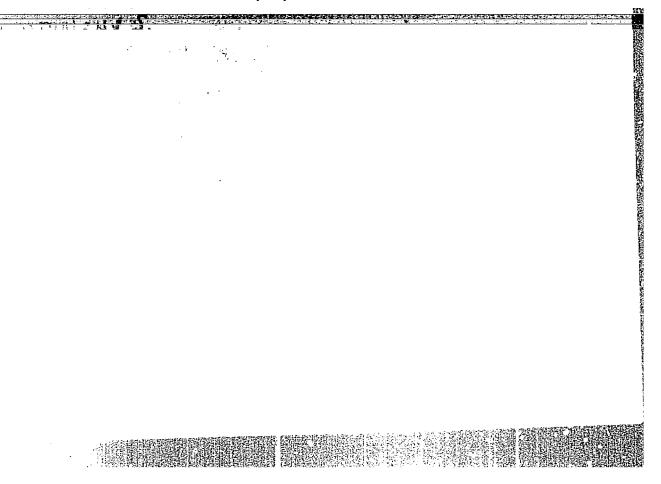
Concentrating traces of silver contained in lead by the precipitation method. p. 423.

CHEMIA ANALITYCZNA. (Komisja Analitycana Polskie Akademii Nauk i Naczelna Organizacja Techniazna) Warszawa. Poland. Vol. 4, No. $\frac{1}{2}$, 1959.

Monthly list of East European Accessions (EEAI) LC. Vol. 8, No. 8, August 1959 Uncla.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721520003-1"

KEMPINSKI, S. "Mechanizing longwall cutting", p. 137, (WIADDMOSCI GORNICZE, Vol. 5, No. 5, May 1954, Katowice, Poland) SO: Monthly List of East Accessions, (EEAL), LC, Vol. 4, No. 5, May 1955, Uncl.



KEMPINSKI, S.; Ledwoch, Z.; Fober, H.

The results of working with the Donbas combines in Poland. p. 3. (PRACE. No. 17, 1956, Katowice, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, no. 12, Dec. 1957. Uncl.

KEMPINSKI, S.

"Two Shifts a Day Using Combines" p. 194 (<u>Wissomosci Gornicze</u>, Vol. 4, No. 7/8 July/Aug, 1953, Katowice)

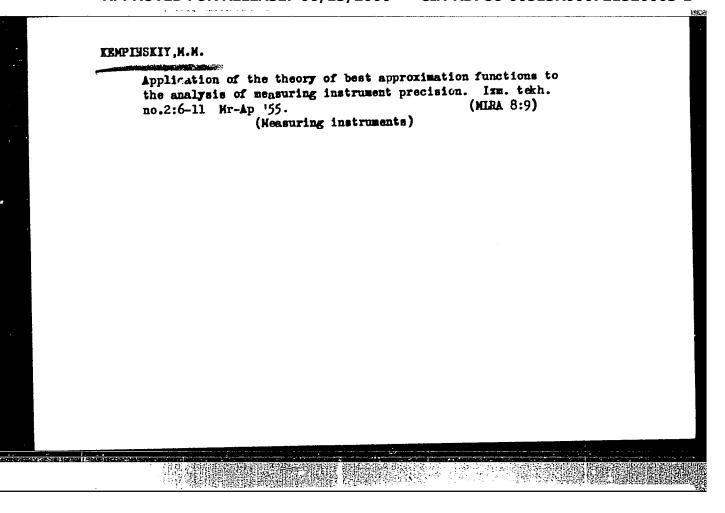
SO: Monthly List of East European Accessions, Vol. 3, No. 2, Library of Congress, February, 1954, Uncl.

KEMPINSKI, S. 658.542.1:682.233.242.25 2374 Polish Technical Abst. Cierpiss 8., Kempinski 8. Operation Hesults of the No. 4, 1953 Kining Donbass Sutter-Loader in Polish Collieries. Wyniki sastosowania kombajnu Donbasa u nassych bopsinisch. Prsegled Gornicsy. No. 2, 1953, pp. 48-57, 6 fige., 4 tabs. The Donbass cutter loader gives good results, in such conditions as obtain in Polish coal mines, in wells of from 60 to 150 m long, in seams 0.9 to 2 m thick and at gradient not exceeding 20°. The coal should, according to Protodiakonow, have a cohesion factor of not more than 1.4, and contain no hard intergrows or interlocations. The top bank should easily part from the roof. The floor should not be inferior to that used for cutters, while the roof should be of a quality to enable it to be exposed, for a short period, along a width of 4 m from the new face. Work organisation, harmonograms providing for the completion of one cyclic per two shifts. Practical recommendations for operating the cutter-loader (feeding speed, remedying breekfown).

RETRIBUTY, A. (Verchave)

Thotestive semitary zones for the sources of water supply in Poland. Vod. 1 sam. told. ne.9:36.39 S '61. (HEL M.:11)

(Poland Water-supply engineering)



ABADZHI, K.I.; BOYTSOV, A.N.; VOLOSEVICH, F.P.; GOBERMAN, P.N.; KUTAY, A.K.;
NARINSKIY, F.I.; ODING, G.A.; RUBINOV, A.D.; SHTYURMER, G.A.;
BRZHEZINSKIY, M.L., kandidat tekhnicheskikh nauk, retsenzent; FETROV,
V.I., inzhener, retsenzent; KEMPINSKIY, M.M., inzhener, redektor;
LEYKINA, T.L., redaktor izdatel stva; POL SKAYA, R.G., tekhnicheskiy
redaktor

[Reference manual for production control in machine building] Spravochnik po proizvodstvennomu kontroliu v mashinostroenii. Pod obshchei red.

A.K.Kutai. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry.

1956. 670 p,

(MLRA 9:12)

(Machinery industry)

KEMPINSKIY, M. M.

Kempinskiy, M. M. (Leningrad). Calculation for Accuracy in Designing Measuring Instruments p. 245

Interchangeability, Accuracy and Measuring Methods in Machine Building, Moscow, Mashgiz, 1958, 2% up. (Sbornik Nauchno-tekh. obshch. mashinostroitel noy promyshlemnosti, Leningeadskoye obkast pravleniya, km. 47).

This collection of articles deals with the topics discussed at the 3rd Leningrad Sci. and Engineering Conference on Interchangeability, accuracy and Inspection Methods in Machine-building and Instrument-making, held 18-22 Mar 1957.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721520003-1"

KEMPINSKIY, M.M. (Leningrad)

Designing measuring instruments for precision. [Izd.] LOHITOMASH 47:245-250 '58. (MIRA 11:10)

1. Rukovoditel' sektsii avtomatisatsii i mekhanisatsii kontrolya; podnaladki nauchno-tekhnicheskogo obshchestva Mashproma. (Measuring instruments)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721520003-1"

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PHASE I BOOK EXPLOITATION

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Kempinskiy, Mikhail Mendelevich

Proyektirovaniye mekhanizmov izmeritel'nykh priborov (Designing Mechanisms for Use in Measuring Instruments) Moscow, Mashgiz, 1959. 142 p. Errata slip inserted. 5,000 copies printed.

Reviewer: L. P. Riftin, Candidate of Technical Sciences; Ed.:
G. A. Smirnov, Candidate of Technical Sciences; Ed. of
Publishing House: N. Z. Simonovskiy; Tech. Ed.:
O. V. Speranskaya; Managing Ed. for Literature on the Design
and Operation of Machinery (Leningrad Division, Mashgiz):
F. I. Fetisov, Engineer.

PURPOSE: This book is intended for engineers and scientists of design organizations and scientific research institutes concerned with instrument construction.

Card 1/4

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721520003-1"

Designing Mechanisms (Cont.)

THE RESIDENCE OF THE PROPERTY OF THE PROPERTY

COVERAGE: This book deals with the theory and practice of designing mechanisms for use in measuring instruments. The mathematical background for approximating functions of complex mechanisms is presented. Determination of the parameters of a mechanism, manufacturing errors, compensation and regulation, and mechanism designs for instruments for linear and angular measurements are described. No personalities are mentioned. There are 29 references: 27 Soviet, 1 German, and 1 English.

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Ch. I. Necessary Information From the Theory of Optimum Approximations to Functions 1. Optimum uniform approximation 2. Polynomials least deviating from zero 3. Approximation of functions by polynomials to some power	9 12 17

Card 2/4

KEMPINSKIY, Mikhail Mendelevich; TYUMENEVA, S.T., inzh., red.; FREGER, D.P., izd.red.; GVIRTS, V.L., tekhn.red.

> [Measuring spring heads manufactured by the Leningrad Instrument Plant; experience in using and repairing] Pruzhinnye izmeritel'nye golovki Leningradskogo instrumental nogo zavoda; opyt ekspluatatsii i remonta. Leningrad, 1961. 18 p. (Leningradskii Dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: (MIRA 14:6) Kontrol' kachestva produktsii, no.1). (Measuring instruments)

CIA-RDP86-00513R000721520003-1" APPROVED FOR RELEASE: 06/13/2000

KEMPINSKIY, Mikhail Mendelavich; OVCHINNIKOV, .G.A., red.; VASILIYEV, Yu.A., red. izd-va; BELOGUROVA, I.A., tekhm. red.

[New devices for precision linear measurements; survey]Novye pribory dlia tochnykh lineinykh izmerenii; obzor. Leningrad, Leningr.dom nauchno-tekhm.propagandy, 1962. 75 p.

(MIRA 15:8)

(Measuring instruments) (Length measurement)

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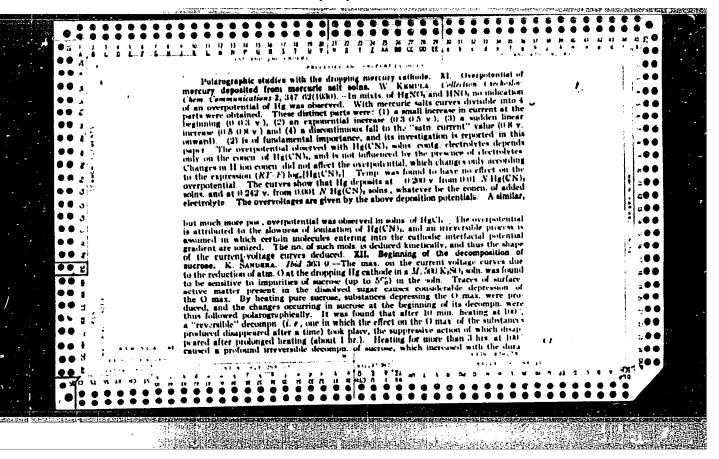
ORLOV. P.M.; KUMTSOVA. S.P.: KASHINTSEV, S.N.; SASS-TISSOVSKIY, redaktor; UDALOV, A.G., technicheskiy redaktor

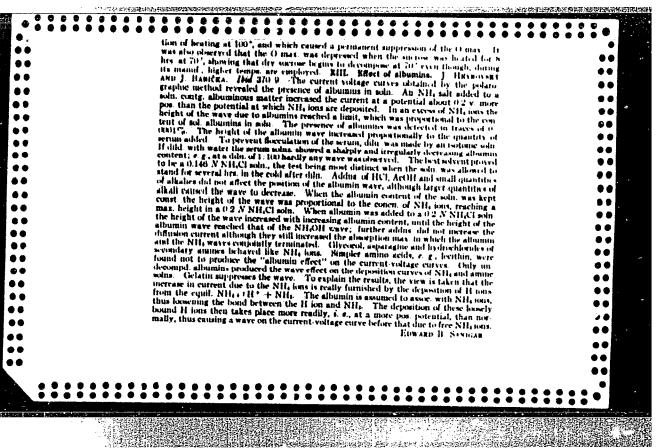
[Breeds of cattle at the All-Union Agricultural Exhibition] Porody krupnogo rogatogo skota po materialam VSKhV. Izd. 2-ce. perer. i dop. [Moskva] Izd-vo Ministerstva sel'skogo khosiaistva SSSR, 1956. (MLRA 10:1) 143 p. (Cattle breeds)

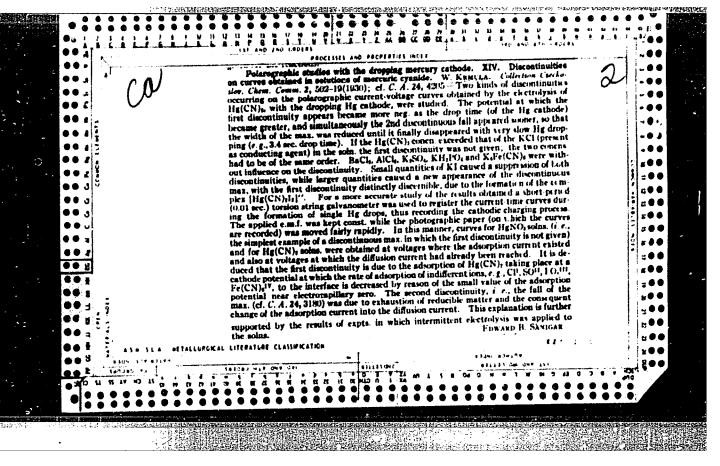
JASNOWSKI, S.; MACKOWIAK, S.; KEMULA, F.

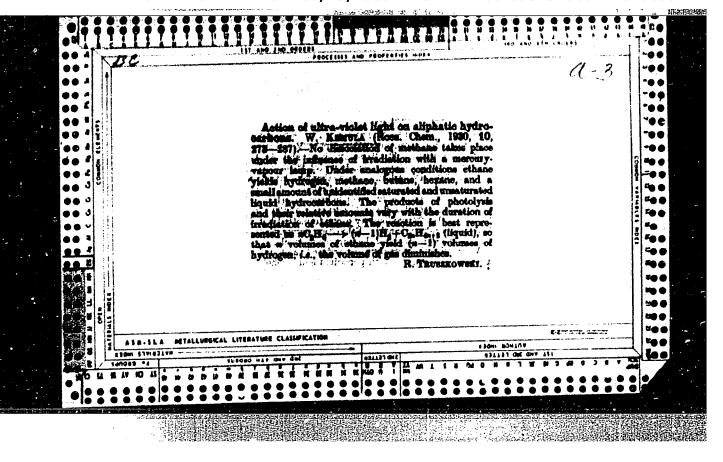
Influence of the stock on Venturia inaequalis (Cooke) Aderh. infecting apply trees. Acta agrobot 14 no.1:245-255 '63.

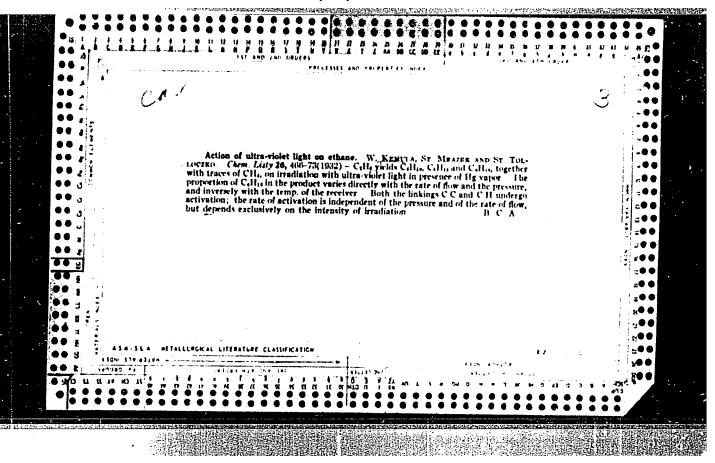
1. Laboratory of Seed Breeding and Evaluation and Nurseries, Institute of Pomology, Skierniewice.

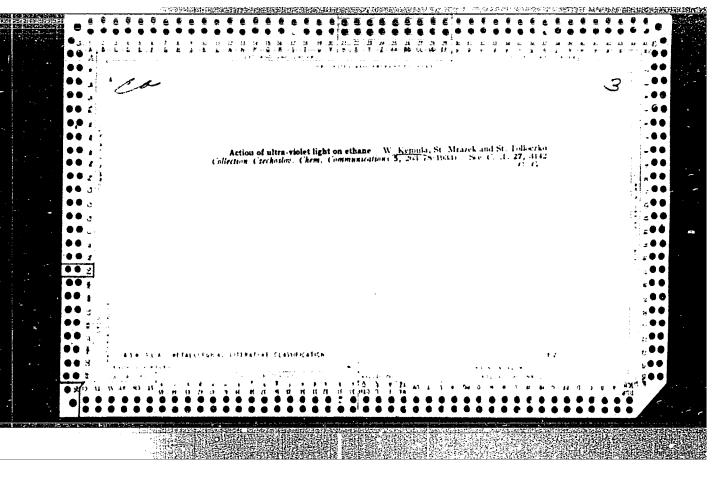


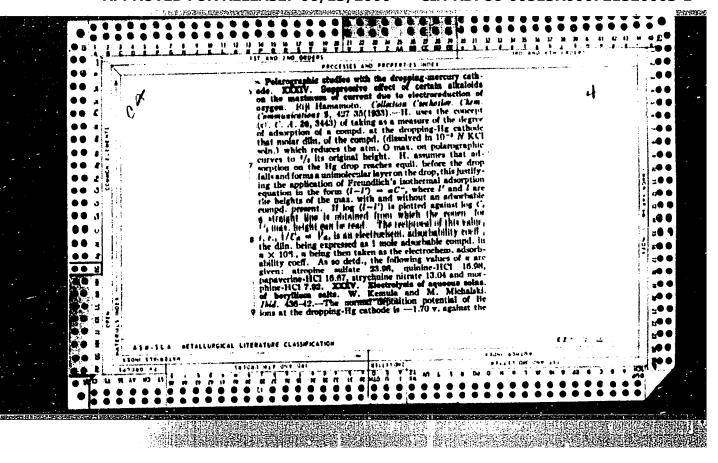


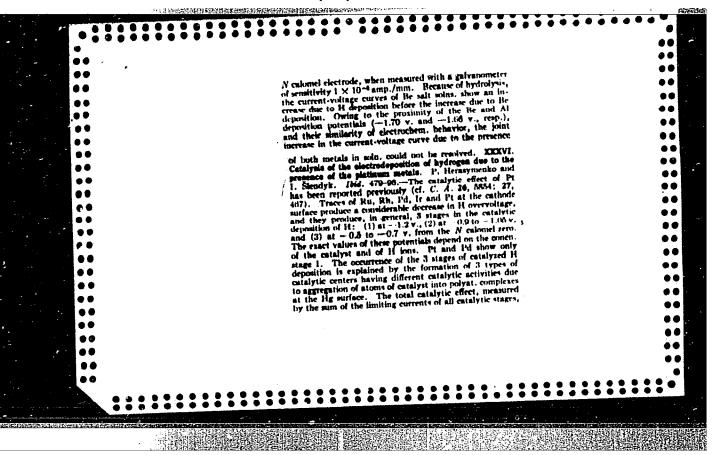


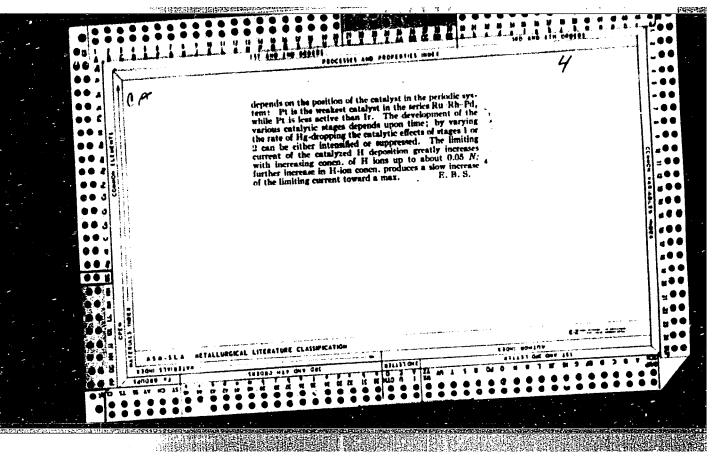


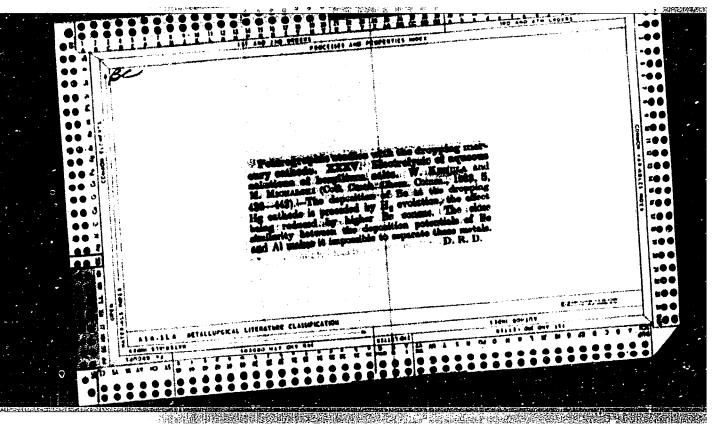


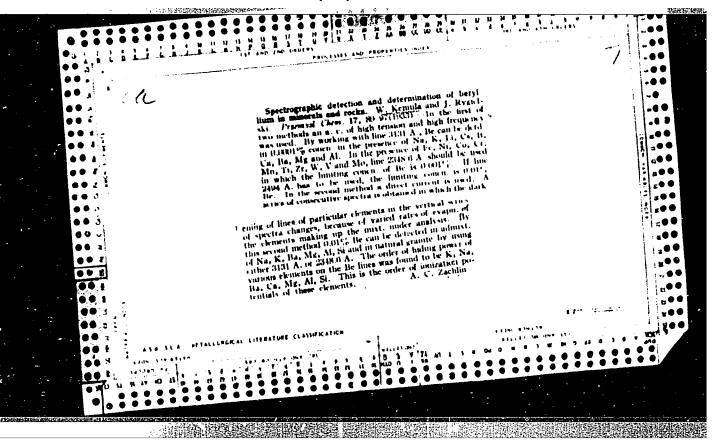


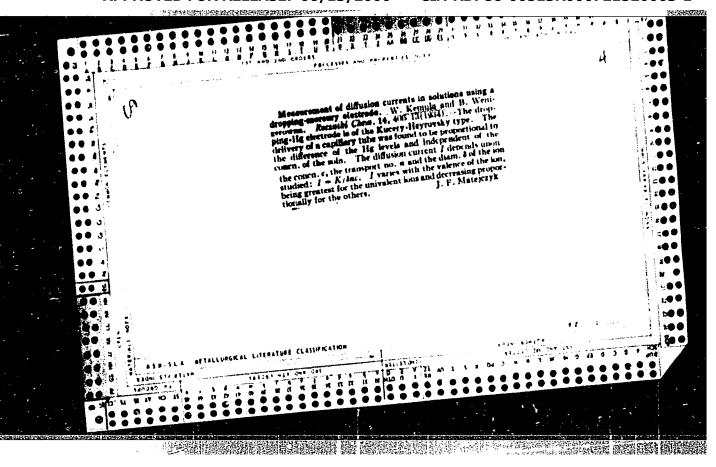


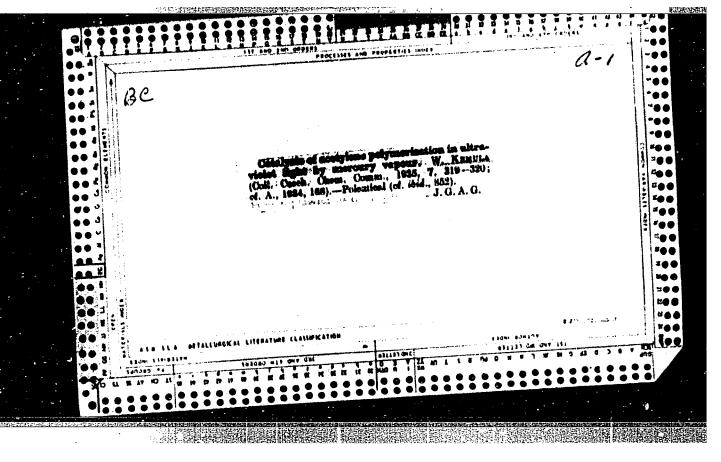


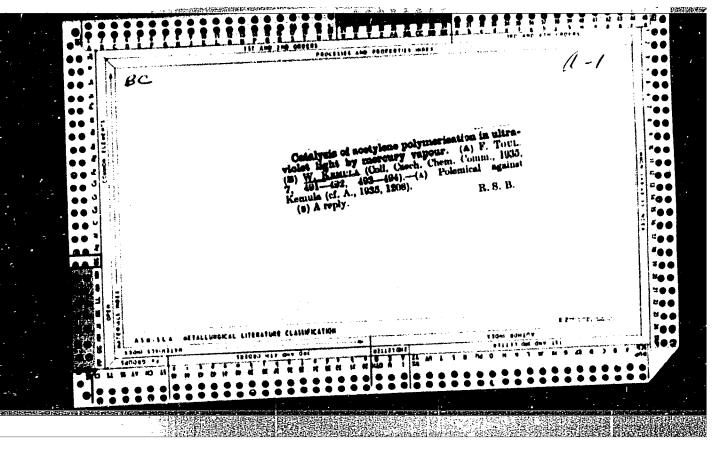


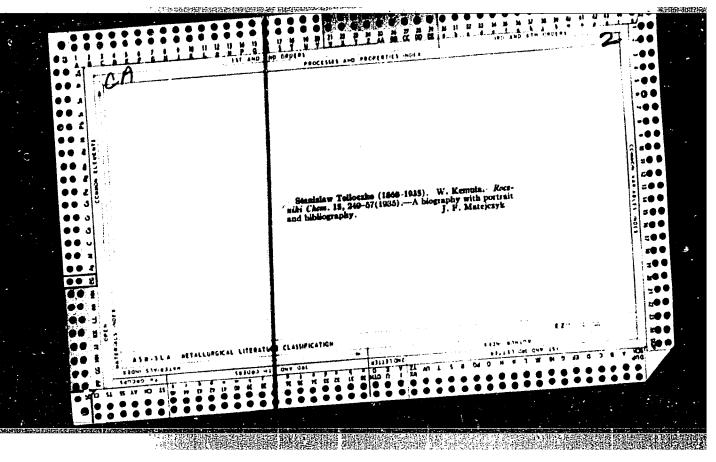


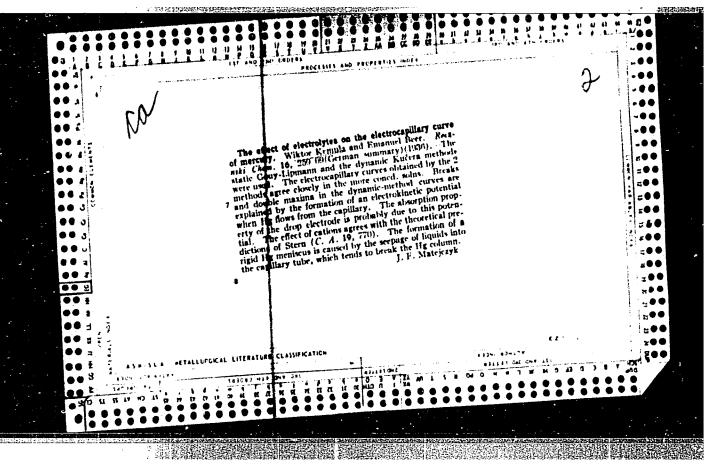


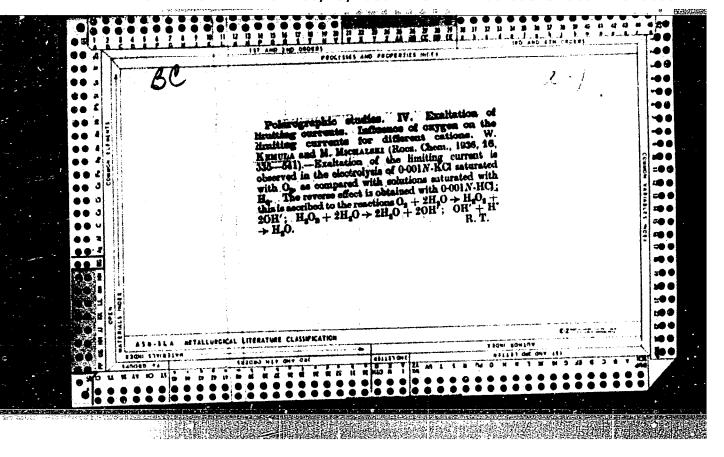


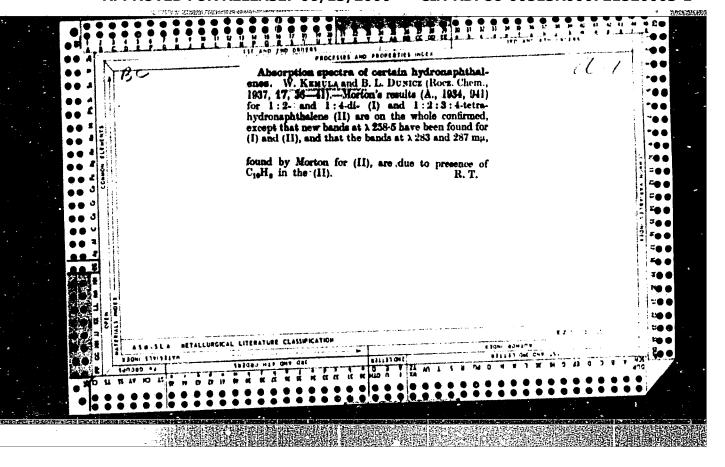


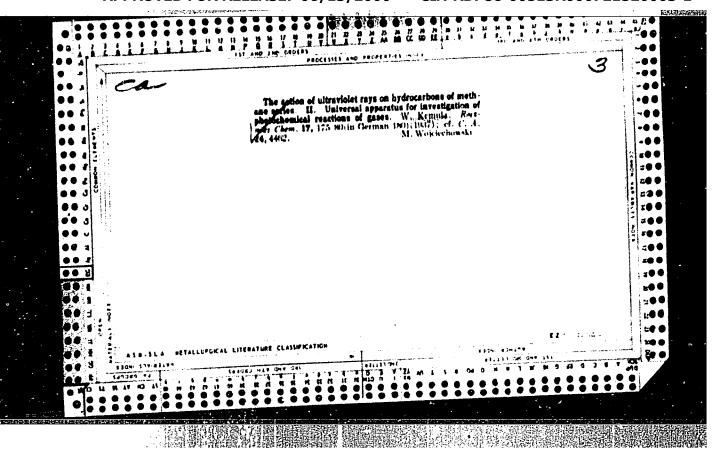


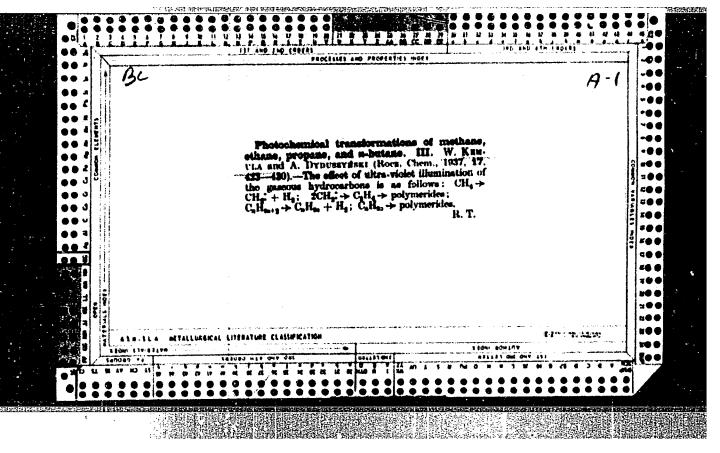


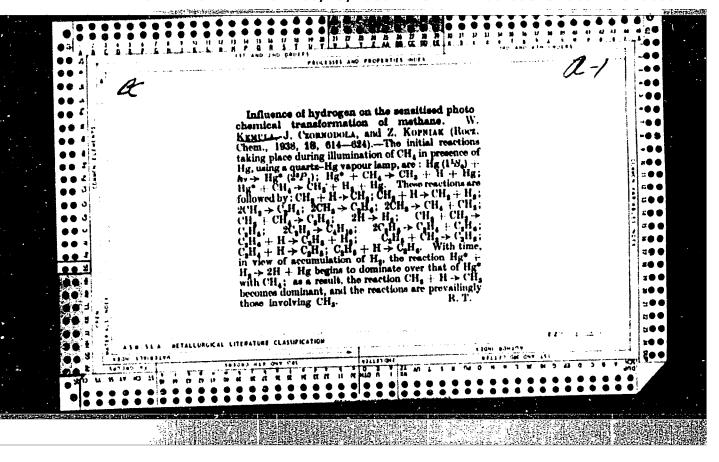


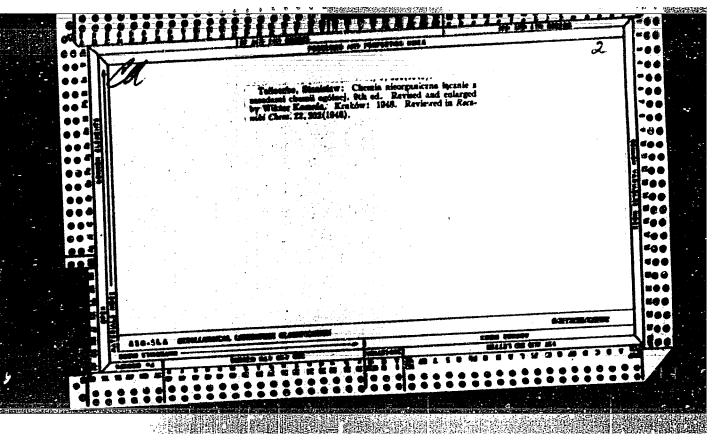










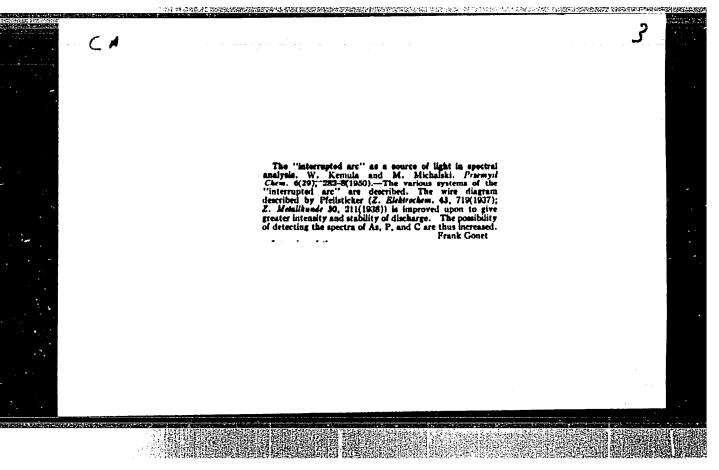


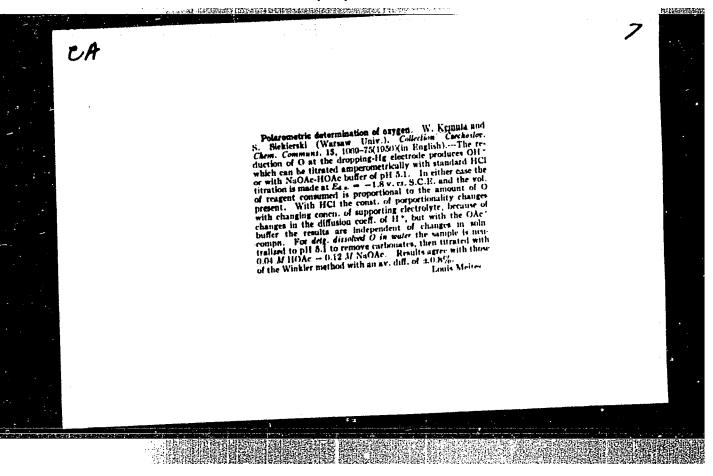
Kemula W.

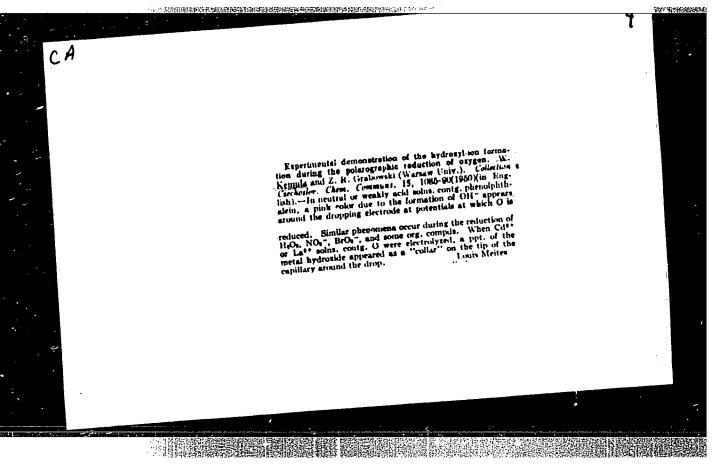
Kerula W. and Michalski M. "Schematic Arrangements of the 'Interrupted Arc' as a Source of Emission in Spectra Analysis." (Schematy urzadzen luku przerywanego jako zrodla emisji w analizie spektralnej). <u>Przemysl Chemiczny</u>, No. 5, 1950, pp. 282-288, 5 figs.

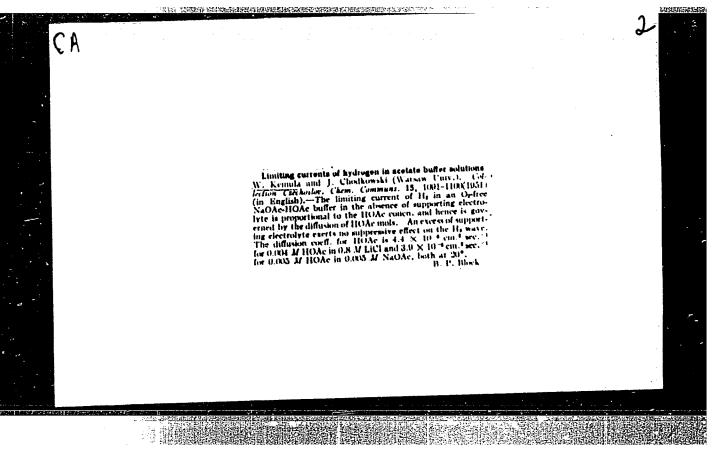
Advantages of the "interrupted arc" are emphasized in comparison with other methods of exciting the emission of characteristic radiation in spectral analysis. Testing and improving the method applied by Pfeilsticker led to the construction of an installation nourished only by alternating current (needing no current switches), by means of which 100 separate discharges per sec. between the electrodes were obtained. The advantages of this installation consist in: greater intensity of discharges, increasing the sensibility of detecting elements with characteristic spark spectra, such as arsenium, phosphorus, carbon etc. There is also a possibility of quantitative spectral analysis. Schematic drawings of installations are included.

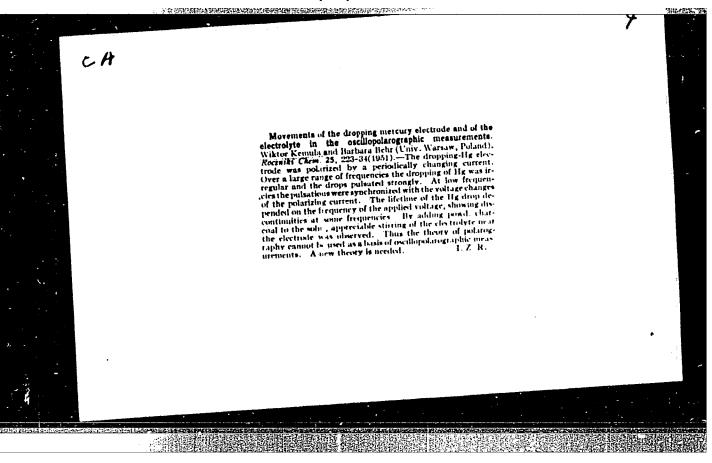
SO: Polish Technical Abstracts - No. 2, 1951



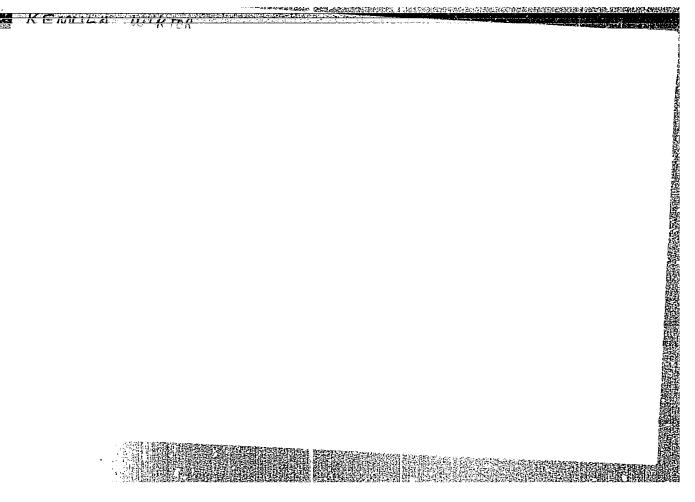




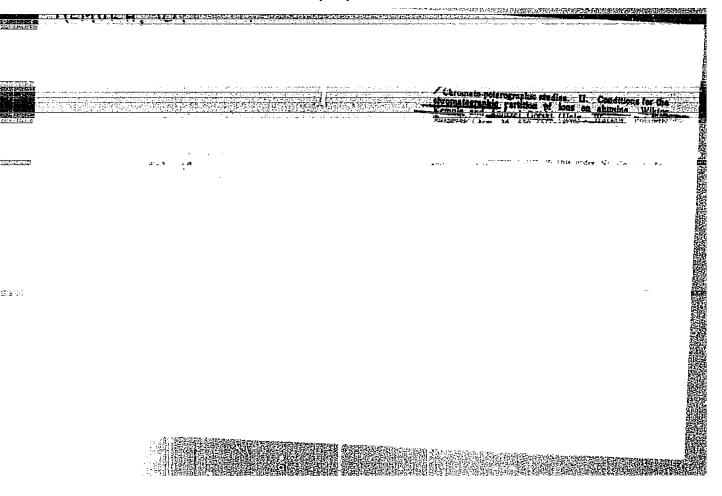


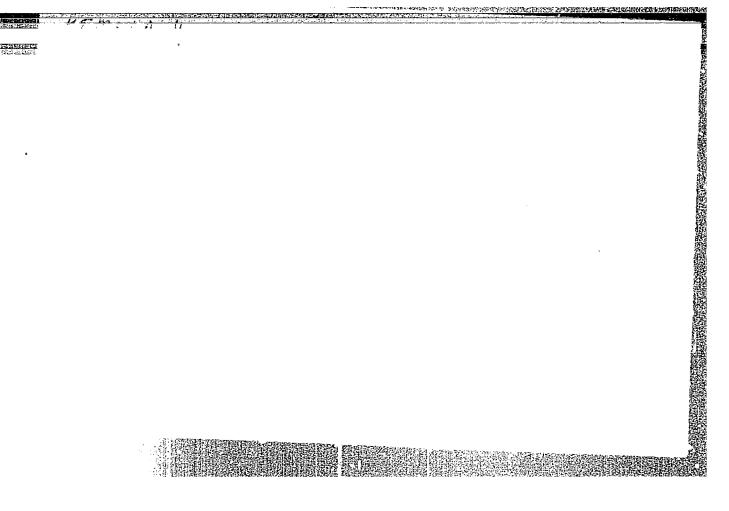


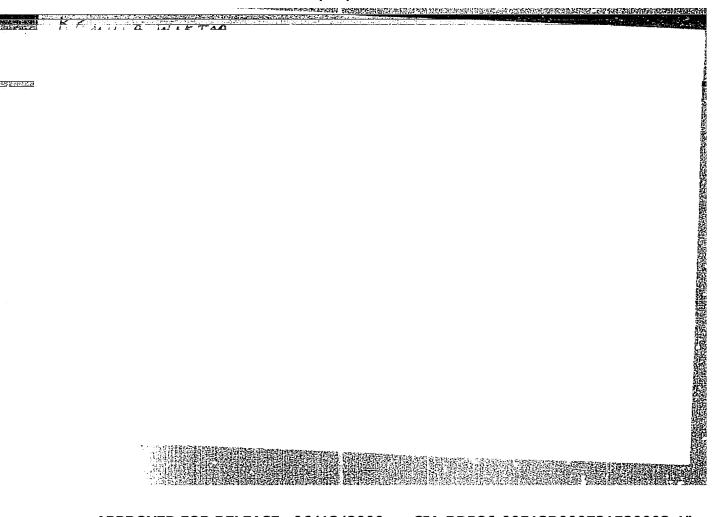
with SLAWCMIR SIEKIERCKI
Univ. Warsaw, Poland
"Dropping mercury electrode with regulated drop time."
foczniki Chem. 26, 123-33 (1952) (English summary).

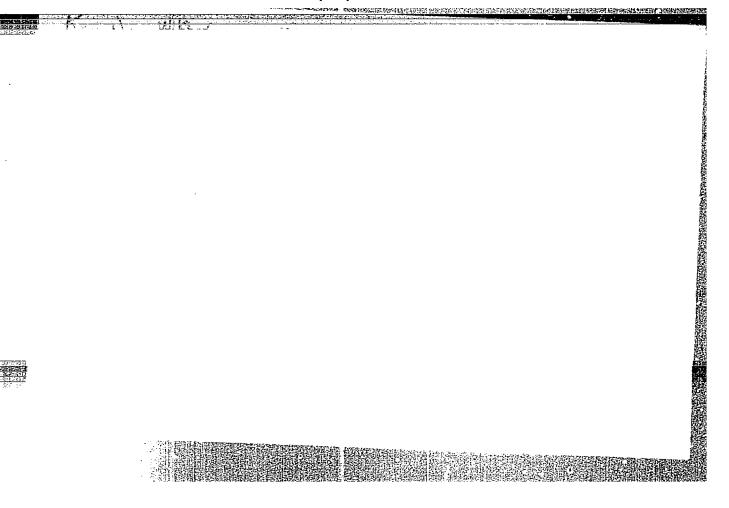


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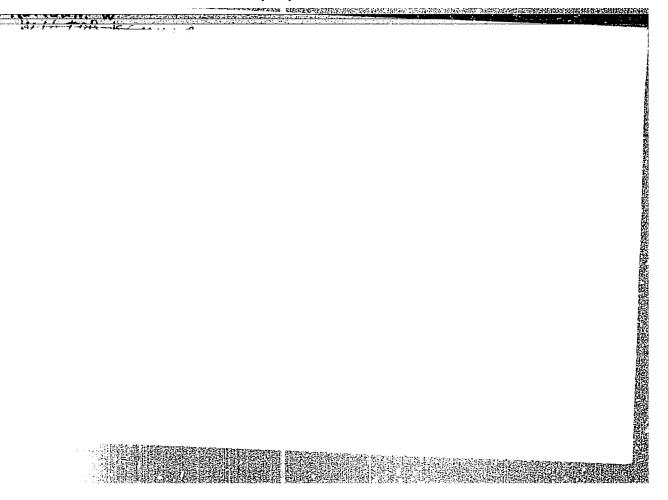


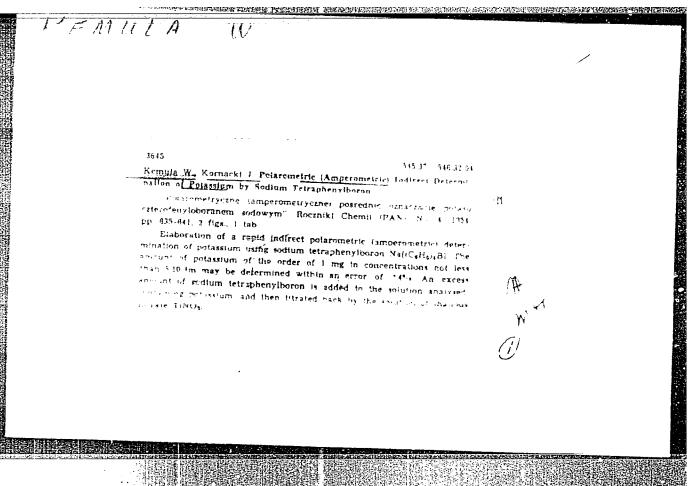






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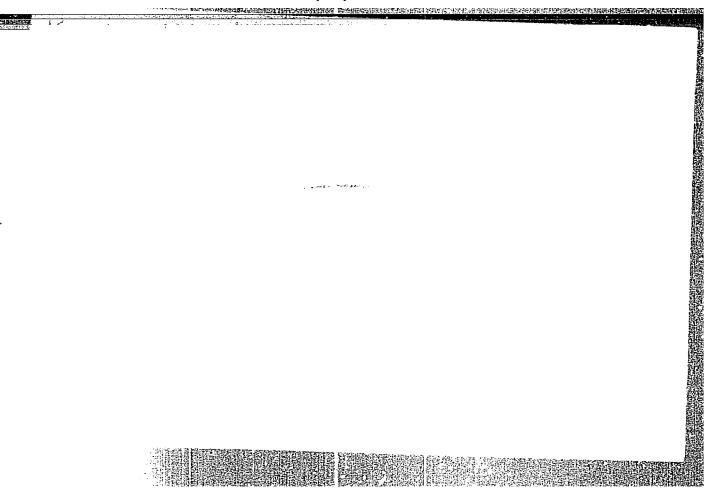
Chromatographic and polarographic method and its application. p. 453. (PRZEMYSI, CHEMICZNY, Vol. 10, No. 9, Sept. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (REAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

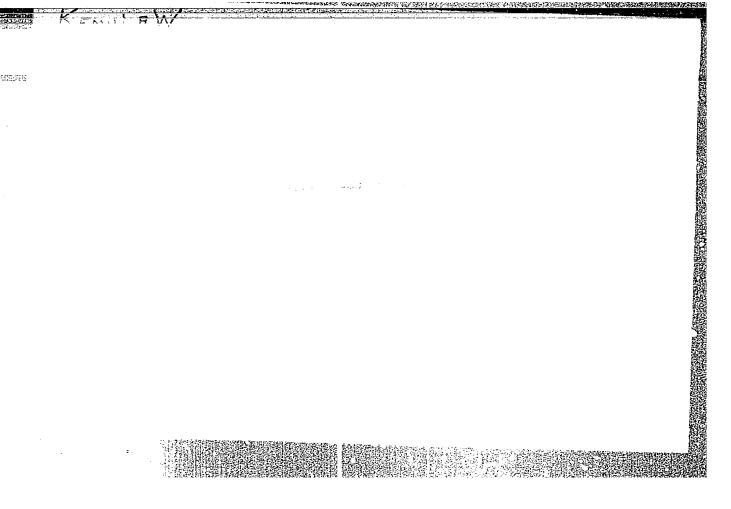
KEMULA, W.

page and their automatic separation of proteins on pages and their automatic photometric evaluation. W. Kemula and W. Dartosiewicz (Rocean. Chem., 1984-88-11]. 100-108).—The use of electrophoresis on paper for the separation and identification of blood serom proteins is reviewed. Recently Skarzynski, Ostrowski and Mikucki have produced absorption curves on sensitived paper, with the aid of a recording photo-absorptiometer, from mechanically propelled paper chromatograms. It was thus possible to determine, in a mixture of proteins, the decentage of the purticular fractions (Polski Tygodnih Leharski, 1952, 7, 121 and 657). It appears, however, that the absorption curves produced in this way are deformed by oscillations caused by the grain of the curomatographic paper. In this atticle an improved arrangement is described, which automatically registers well-defined photometric curves. The method has successfully been used for the quantitative evaluation of the proteins in blood serum. The electrophoretic apparatus consists of an acquarium glass, containing six paper strips horizontally placed on two glass rods. The ends of the strips are immersed in two glass troughs placed inside the aquarium, each containing 1 litre of a Veronal - Medinal buffer soln. A 120 to 500 V d.c., max. load 100 mA, is supplied by 2 graphite electrodes immersed in the buffer solutions. An ordinary optical lantorn with a sclenium photo element in place of the objective lens serves as a photometer. An electrically driven mechanism moves the paper strip in front of a 1-mm wide slot in

a metal screen; the variations of voltage of the selenium cell are registered as curves by a polarograph. The particular protein fractions are plantmetrically evaluated. Ten to twelve hr. are required for complete separation of the proteins in 0.05 ml of blood serum placed on a 32-mm wide Whatman filter-paper strip. Normal human blood serum was found to contain 7-2 per cent. of total protein, consisting of 54-2 per cent. albumin, 4 per cent. α₁-globulin, θ-1 per cent. α₂-9.7 per cent. β and 23 per cent. γ. Pathological blood serum (multiple myeloma) contained 6-8 per cent. of total protein, consisting of 27-7 per cent. albumin, 4-5 per cent. α₁-globulin, 8-8 per cent. α₂-10-10 per cent. β and 43-0 per cent. γ₁ + γ₂. The analytical procedure and assemblage of the apparatus are fully described, and blood serum curves are reproduced.



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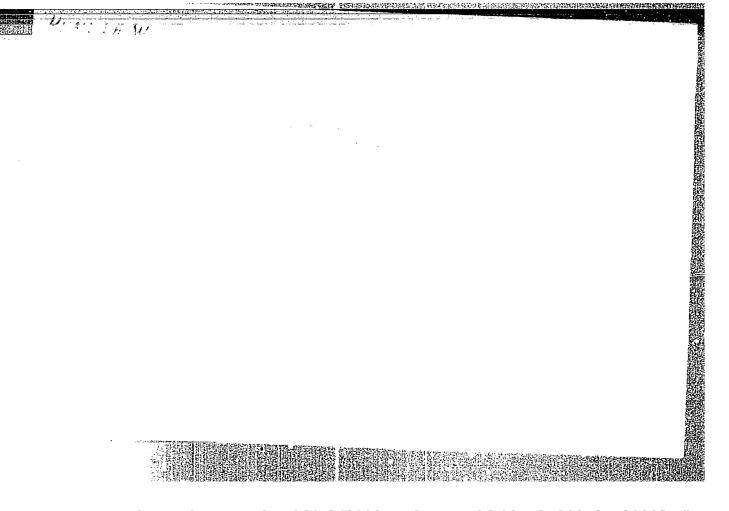


ERIUA, M.: CLUAK, A.

"Microcoulometric Studies of Electroreduction of 1,2,3,4,5,(-hexachlere-cyclohexane (Gammexane)", P. 275, (RCCEMEI (WMII, Vol. 28, No. 2, 1954, Marsaw, Poland)

SC: Henthly List of East European Accessions (MEAL), LC, Vel. 4, No. 3, March 1955, Uncl.

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